

Appl. No. 09/456,249
Declaration under 37 C.F.R. § 1.131
Reply to Office Action of July 8, 2004



Appl. No. : 09/456,249
Applicant : Darryl E. Rubin et al.
Filed : December 7, 1999
Title : Computer User Interface Architecture Wherein Users Interact With Both Content And User Interface By Activating Links

TC/A.U. : 2176
Examiner : Almari Romero Yuan

Docket No. : 003797.85089
Confirmation No. : 6181

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. § 1.131

Sir:

We, DARRYL E. RUBIN, ANDREW C. BAIRD, JOHN L. BEEZER, JONATHAN C. CLUTS, and SUSAN D. WOOLF, hereby declare¹ that:


- 1) We are named as joint inventors of the above-captioned application, U.S. Application Serial No. 09/456,249, and all claims presently pending therein;
- 2) I, DARRYL E. RUBIN, am presently employed by Microsoft Corporation (Microsoft) and have been since June 1986. Microsoft is the assignee of the above-identified application.

¹ Each numbered declaration is a joint declaration unless an individual reference has been made. In such a case, the referenced individual is making the numbered declaration.

- 3) I, JONATHAN C. CLUTS, am presently employed by Microsoft and have been since October 1990. Microsoft is the assignee of the above-identified application.
- 4) I, SUSAN D. WOOLF, am presently employed by Microsoft and have been since October 1995. Microsoft is the assignee of the above-identified application.
- 5) We, ANDREW C. BAIRD and JOHN L. BEEZER, were formerly employed by Microsoft.
- 6) We were employed by Microsoft during development of the above-identified invention.
- 7) Prior to May 8, 1999, the earliest priority date of Bizweb2000.com – screenshots of an e-book, published 5/8/1999, pages 1-4 (“Bizweb2000 reference”), we conceived of and reduced to practice the invention recited in the claims of the above-captioned application.
- 8) Conception and actual reduction to practice occurred prior to May 8, 1999, as evidenced by pages 1, 2, 4, 5, and 7 of the Patent Predisclosure Document attached as Exhibit A.
- 9) Support for claims 1-5 of the above-captioned application can be found, among other places, at least within Exhibit A prepared prior to May 8, 1999.
- 10) Support for claims 1-5 can be found at least within Exhibit A, among other places, in the bullet points on page 1, and the descriptions at the bottom of page 1 and the top of page 2. In addition, the screenshots on pages 5 and 7 support claims 1-5. Claim 2 is additionally supported, among other places, by the description on page 4 of Exhibit A.
- 11) Attached Exhibit A has not been altered since it was originally prepared, except for the redaction of dates and the removal of pages 3, 6, and 8, which are not pertinent to claims 1-5.
- 12) Each of us individually represents that we are over 18 years of age and of competent mind.

- 13) All statements made of our own knowledge are true and all statements made on information and belief are believed to be true; and further, these statements were made with the knowledge that willful, false statement so made are punishable by fine or imprisonment or both, under 18 U.S.C. § 1001 and that such willful, false statements may jeopardize the validity of the above-identified application or any patent issuing thereon.

Respectfully submitted,



Darryl E. Rubin,
Microsoft Corporation

9/17/04

Date

Andrew C. Baird

Date

John L. Beezer

Date

Jonathan C. Cluts
Microsoft Corporation

Date

Susan D. Woolf,
Microsoft Corporation

Date

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EXHIBIT A

Pages 1, 2, 4, 5, and 7 of Patent Predisclosure Document

Microsoft Patent Predisclosure Document

Title of Invention: Electronic Web-based Interface for Reading and Annotation

Date:

Document Author(s): Darryl Rubin, Jonathan Cluts, Suze Woolf

Introduction

[Please provide a high level description of the invention, including the names of the people who contributed to the invention.]

An architecture for a window-less, scroll-less, desktop-less and save-less HTML-based universal viewer interface which allows the user to read, annotate, collaborate and perform other tasks typical of knowledge work, as well as alter the interface to best suit their work patterns.

Motivation for the Invention:

[Describe (1) the problem addressed by the invention (e.g., limitations of prior products of Microsoft, or others), and (2) your solution to the problem (including what "new" things your invention does and a high-level description of how it does them).]

- Create a system that is simpler (fewer commands to achieve comparable results) and more powerful (achieve results that weren't possible) than today's desktop metaphor by unifying content and user interface into a single, dynamic content mechanism that uses fewer kinds of user interface controls in a more general way.
- Provide a new metaphor for finding, consuming, storing, sharing and organizing content of interest to the user because many users find the desktop metaphor confusing and difficult to learn.
- Provide a framework for more "natural" styles of interacting, employing a minimum number common gestures such as touch, hold, erase, draw or write. Currently most desktop computers require a keyboard and mouse in order to interact with them; most pen-enabled palmtop computers have cumbersome means of interaction.
- Scales from small handheld devices to desktop computers. Currently desktop metaphors applied to small form factor devices are cluttered and difficult to use.
- Reduce complexity and confusion of the multi-windowed interface by using a model of a single main window. Usability data show that users of multi-windowed systems don't always know which actions will produce results in which window.
- Provide greater flexibility to users, content developers and third-party software developers by providing broader capabilities for customizing the user interface and creating dynamic content.
- Provide a save-less model, so that users don't need to explicitly save their work.
- Provide rich support for audio note taking with the ability to correlate and synchronize audio and textual material and to review and retrieve audio notes.
- Provide automatic and transparent synchronization between a user's computers (e.g. handheld and desktop). Current device-to-device and device-to-PC synchronization schemes are not seamless and require a great deal of configuration and attention from the user.
- Make the process of getting help about a function be the same as the process for carrying out the function. In today's user interfaces, methods for getting assistance with an interface or with content are currently separate from the content and often require completely different interactions than consuming the content.
- Make sharing and collaborating on documents easy and automatic. Today's devices and PCs have a "single-user model" at the heart of their interface metaphors; sharing content and annotations is difficult and non-intuitive.

Description of the Invention:

[Describe your proposed implementation of the invention, including the architecture and design details of the implementation. The design details should include a description of the component parts of, and individual operations performed by, your implementation. The use of a specific example, showing how the invention solves the problem being addressed, can be particularly helpful. You should also mention whether you have thought of any other implementations, or applications of, your invention. In most cases, 1-2 pages of description should be adequate to start the patent application process, although a more detailed description may greatly enhance the efficiency of the process.]

Windowless Interface – The display may be divided into non-windowing regions in which different content may be displayed. Each region may be individually navigated without changing focus or "window"

state. Each region may include concurrent active html links without changing focus. The benefits of this architecture include reducing the complexity associated with both the design and use of the interface while still providing access to and interaction with multiple sources of concurrent content. (See also pinning (ePad) 2.doc.)

HTML based interface – The interface is implemented entirely as an HTML document, except that some links are links to scripts rather than to other documents or sites; activating such a link (such as by touching it) runs the linked-to script, thus making the link act as a command. Even the desktop metaphor of files and folders is expressed as lists of links on a page.

Additionally, links have properties that govern their appearance and behavior. For example, a link's properties may dictate that it appear as a blue underscored text string as in today's browser's, or as a 3D button, as a graphic icon, as a thumbnail image of the content being linked to, or even as an embedded frame that is open on the content being linked to. The ability to control a link's appearance and behavioral properties makes possible rich authoring and customization of content and the user interface.

The user may completely customize the interface (unless authored-in content controls prevent editing). Because there is no distinction between the interface and the content, the kinds of normal editing commands the user might use to alter content can be used to customize the interface. What's more, the many varied interface widgets that users currently must understand in order to perform useful work, such as dialog boxes, drop-down list boxes, etc can be done away with. Everything is simply a link on a page. Some of these links may be rendered as buttons to offer instant-gestalt affordances to new users, but architecturally they are links that may be used to search, view, and navigate either the interface or the content being viewed. Whether you are moving back/forward, sorting, or bookmarking a content page or an interface page, the concept and actions are exactly the same.

The ability to review files, folders, mail, etc by navigating through a list of the links contemporaneously is enabled by this architecture and to a lesser extent by the Windowless UI architecture. History, notes, clippings and other system-provided directories have many unique attributes as a result of the HTML-based architecture also summarized below.

Rich Navigation – The interface contains methods for paging within a document (previous/next) and for traversing chronology (history through back/forward). A rich model for navigation is enabled by attaching properties to links. For example, holding on a link offers additional information about where that link will lead (Link look-ahead might be displayed in thumbnail form and further holding might result in a graphical map of the links attached to that prospective destination.). Back and forward buttons by default display thumbnail views of the pages that tapping that button will lead to.

History (all the pages the user has viewed) may be viewed in a number of ways: by time, by appearance, by site, document, section, page, etc. Since all of history is saved, the users' sequence may be viewed in a number of ways: as nodes with side tracking branches, as a linear list, or as a combination of most recently viewed pages and last few task categories.

A key difference between the navigation mechanism of this invention and the prior art is that all navigation actions are saved in the navigational history. For example, if a user navigates through a set of links then goes "back" several steps, and then links through a different set of links, the user is still able to go "back" and then retrace their original path of links they navigated. In today's browser's this is not possible—recollection of the first set of documents that were "backed" over is lost.

Annotations – The interface allows the user to interact with content and interface so as to make it more memorable, via bookmarks, clippings, highlights, overlaid and embedded ink and audio notes (See files: *Book position (ePad) 2.doc*, *Ink layers on a browser.doc* and *Bookmark (ePad) 2.doc*. as well as additional documents to be created.) These annotations may be performed with not only different input methods, but adapted to the most convenient or natural one, such as a finger for highlighting, a stylus for writing or doodling, and speech for lengthier commentary.

The annotations exist apart from the content (as files with links to the content); therefore they can be displayed not only layered on the content in appropriate positions within the content, but in other locations and visualizations. That is, each of these annotations is available to the user not only *in situ*, in the content where it was created, but cross-referenced in automatically-created indices which can be manipulated much as described in History above: by time, by appearance, by site, document, section, page, etc. Likewise they might be shared, selectively shared or kept private with the kind of functionality described under "Collaboration."

navigate their view of the shared document to other than the currently shared page, thus automatically disengaging from the shared display, and to reengage on the shared page at any time. The interface uses a Floor request/grant/relinquish model for controlling the group display. Users are able to request control of the current group display, grant the request and relinquish control (if currently in control). Side chats can be initiated with other members attending the meeting by using the "hold-for-more-information" method: holding on a visual representation of users in the room and then selecting the chat option from a content menu. Since in this interface model, presentations are just documents, users can invoke all the standard interface methods such as written and audio note taking, searching, bookmarking, etc. on both the public presentation (if they have the floor), or on their individual private copy. Just as with other annotations, these methods result in a file stored separately from the content, but linked to it in precisely the locations the user annotated.

Help Book – Because the commands in the interface are simply links on a page, there isn't any difference between documentation, help, wizards and the other ways we currently attempt to help a user perform an action. Asking for help by clicking on a help link summons an appropriate help page composed on the fly from the content of the help book. The principles which underlie this composition are contextual: that is, if the user currently in the "list" or "books" of Mail Messages, the help system infers that requests for assistance are about how to perform work with Mail Messages.

Related Ideas addressed in additional pre-disclosure docs

1. Using pinning to preview list of contents, e.g., email, folders, contacts, notes, etc.; navigate within a book; or to access different content, (*file: Pinning (ePad) 2.doc*). Different than Outlook previews because it is accomplished through html links and can be done with any list of objects.
2. History can be manipulated, sorted, viewed in different ways, and the like. One feature of the history implementation is maintaining all branch extremities and including flexibility for presenting different arrangements for viewing the branches.
3. Notes can also be manipulated, sorted, viewed in different ways but also can be selected resulting in not only opening the note but also the book where the note is linked.
4. Unique thumbnail view UI for notes, history and other objects.
5. Commands implemented through links

Diagrams and Flow Charts:

[To support the description provided above, please include: (a) at least one block diagram showing the architecture of the system that implements your invention, and (b) at least one diagram illustrating the primary steps performed by your invention.]

Start Page - Main UI

MY DOCUMENTS
Personal Viewer Memo
From the Earth to the Moon
more ...

PROJECTS
Jon Cluts, Jon Cluts - Status
Jon Cluts, RE: Context Menus
Darryl Rubin, RE: Context Menus
more ...

SUMMARIES
Notes Index
Clippings
History
Guide Sheet
more ...

TODAY'S HEADLINES
Clinton leaves for Midwest Summit
U.S. stocks climb
more ...

FINANCIAL
Amazon
Herscoett
Mutual funds
more ...

ARTS
Behind the scenes
Latest releases from Blue Note
Fido's software picks
more ...

COLUMNISTS
Hilly Dents
World Page
Vile Muri
more ...

WHAT'S NEW
Electronic books reviewed
Conferences on U.S. design
Hill's on Experience
more ...

REUTERS
Today's Headlines
GENERAL NEWS
Middle East tensions ease
500 die in Nigerian election
Sierra Leone expects 24
overcrowded - witnesses
Italy's D'Alema says hopes to
form new government
Yankees cancel meetings,
could be in crisis
BUSINESS NEWS
U.S. stock prices recover
small cap recovery on
Market volatility eroding
consumer wealth - analyst
Oil extends gains on Middle
East
German economic outlook
seems on a downward
slide
Product defects,
superfund volume
declines
Sierra Leone expects 24
overcrowded - witnesses
Italy's D'Alema says hopes to
form new government

seattle.sidewalk™
movies
restaurants
arts & music
places
sports
travel review

MARKETS
Market Index, Stocks, Bonds, Futures
DJIA 8841.47 ▲ 84.71
S&P 500 1044.31 ▲ 21.87
NASDAQ 1000.34 ▲ 1.22
Russell 2000 251.48 ▲ 4.18
DAX 808.24 ▲ 1.24
CDSX 101.02
VIX 10.12

PRB Public Radio International

1 2 3 4 5 6 7 8 9 10 11 12

Book - Table of Contents (links)

From the Earth to the Moon

Table of Contents 1 of 436

TABLE OF CONTENTS

Chapter 1 The Gun Club
Chapter 2 President Barbicane's Communication
Chapter 3 Effect of the President's Communication
Chapter 4 Reply From the Observatory of Cambridge
Chapter 5 The Romance of the Moon
Chapter 6 The Permissive Limits of Ignorance and Belief
Chapter 7 The Hymn of the Cannon-Ball
Chapter 8 History of the Cannon
Chapter 9 The Question of the Powders
Chapter 10 One Enemy V. 25 Millions of Friends
Chapter 11 Florida and Texas
Chapter 12 Urbi et Orbi
Chapter 13 Stones Hill
Chapter 14 Pickaxe and Trowel
Chapter 15 The Fete of the Casting
Chapter 16 The Columbiad
Chapter 17 A Telegraphic Dispatch
Chapter 18 The Passenger of the Atlanta
Chapter 19 A Monster Meeting
Chapter 20 Attack and Riposte
Chapter 21 How A Frenchman Manages An Affair
Chapter 22 The New Citizen of the United States
Chapter 23 The Projectile-Vehicle
Chapter 24 The Telescope of the Rocky Mountains
Chapter 25 Final Details
Chapter 26 Fire!
Chapter 27 Foul Weather
Chapter 28 A New Star
Chapter 29 The First Part
Chapter 30 Twenty Minutes Past Ten

End Page

2
E-Mail
3

Last Week....

Progress

- Drove ePad meeting with Darryl and got our overall design direction approved
- Continued daily meetings on ePad project
- Scheduled meeting with ePad and Neptune teams
- With Drew, got ePad team up on RAID, and VSS
- Got NT box in my office up and running, with ePad installed
- Met with Dave and others about team project archiving. Have defined a basic strategy
- Provided input in to Pam's home tour brainstorming meeting.
- Attended home scheduling meeting.
- Attended Legal briefing.
- Got briefed on current (and past) demo's produced by the team.

Priorities

- Drive graphic completion for current M2 features in ePad (11/4)
- Drive overall progress for ePad M2 milestone for PaulMa review (11/16)
- Produce first draft proposal for archiving (11/2)
- ePad proto and enter bugs in RAID (first pass 11/2 - ongoing)
- Provide direction and input for directs on projects (on going)
- Plan fun event at home (11/6)

Problems

- none

Postponed

- none

OTHER RELATED MATERIAL

☒ **BY THREAD:**
Follow the discussion of this topic.
[NEXT MESSAGE](#) [PREVIOUS MESSAGE](#)

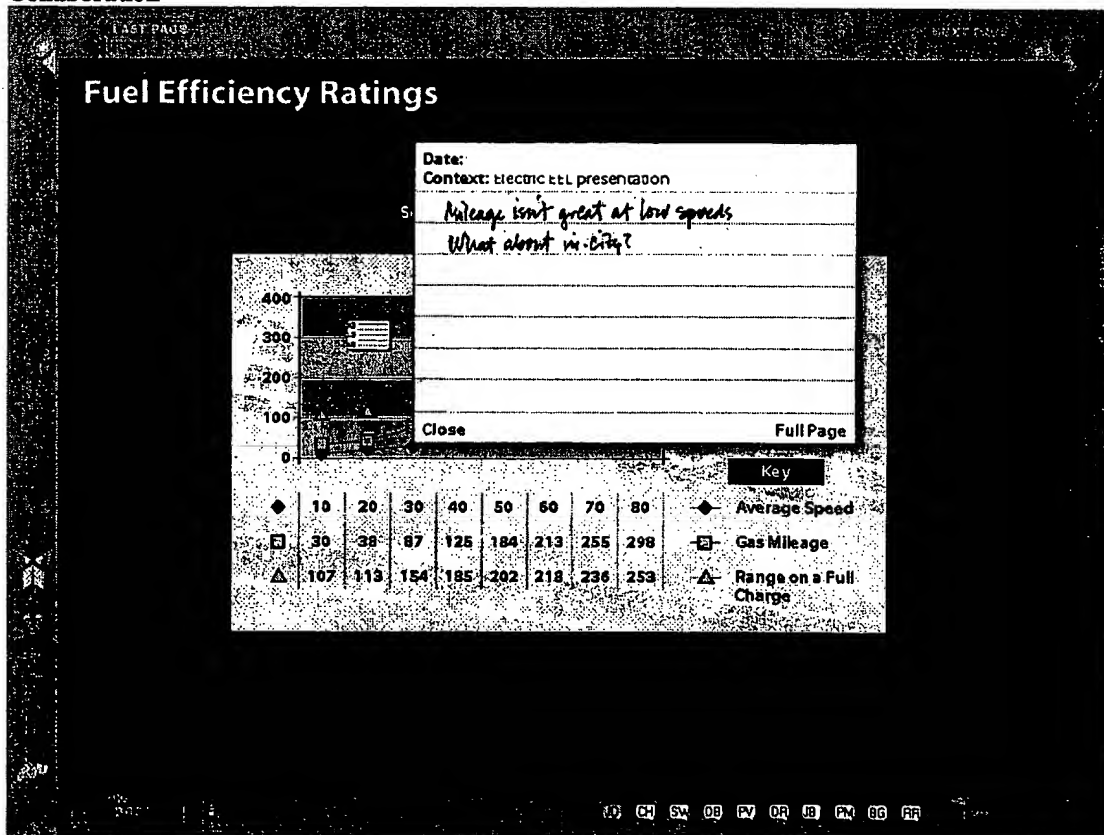
☒ **BY SENDER:**
Show other messages from this address.
[NEXT MESSAGE](#) [PREVIOUS MESSAGE](#)

☒ **BY DATE:**
View the next or previous message in date order.
[NEXT MESSAGE](#) [PREVIOUS MESSAGE](#)

OTHER RELATED MESSAGES:

- ☒ John Beezer - Status
- ☒ Drew Baird - Status
- ☒ RE: Page-Pinning

Collaboration



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DECLARATION UNDER 37 C.F.R. § 1.131

Sir:

We, DARRYL E. RUBIN, ANDREW C. BAIRD, JOHN L. BEEZER, JONATHAN C. CLUTS, and SUSAN D. WOOLF, hereby declare¹ that:

- 1) We are named as joint inventors of the above-captioned application, U.S. Application Serial No. 09/456,249, and all claims presently pending therein;
- 2) I, DARRYL E. RUBIN, am presently employed by Microsoft Corporation (Microsoft) and have been since June 1986. Microsoft is the assignee of the above-identified application.


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- 5) We, ANDREW C. BAIRD and JOHN L. BEEZER, were formerly employed by Microsoft.
- 6) We were employed by Microsoft during development of the above-identified invention.
- 7) Prior to May 8, 1999, the earliest priority date of Bizweb2000.com – screenshots of an e-book, published 5/8/1999, pages 1-4 (“Bizweb2000 reference”), we conceived of and reduced to practice the invention recited in the claims of the above-captioned application.
- 8) Conception and actual reduction to practice occurred prior to May 8, 1999, as evidenced by pages 1, 2, 4, 5, and 7 of the Patent Predisclosure Document attached as Exhibit A.
- 9) Support for claims 1-5 of the above-captioned application can be found, among other places, at least within Exhibit A prepared prior to May 8, 1999.
- 10) Support for claims 1-5 can be found at least within Exhibit A, among other places, in the bullet points on page 1, and the descriptions at the bottom of page 1 and the top of page 2. In addition, the screenshots on pages 5 and 7 support claims 1-5. Claim 2 is additionally supported, among other places, by the description on page 4 of Exhibit A.
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Respectfully submitted,

Darryl E. Rubin,
Microsoft Corporation


Andrew C. Baird

Date

9/20/2004
Date

John L. Beezer

Date

Jonathan C. Cluts
Microsoft Corporation

Date

Susan D. Woolf,
Microsoft Corporation

Date

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EXHIBIT A

Pages 1, 2, 4, 5, and 7 of Patent Predisclosure Document

Microsoft Patent Predisclosure Document

Title of Invention: Electronic Web-based Interface for Reading and Annotation

Date:

Document Author(s): Darryl Rubin, Jonathan Cluts, Suze Woolf

Introduction

[Please provide a high level description of the invention, including the names of the people who contributed to the invention.]

An architecture for a window-less, scroll-less, desktop-less and save-less HTML-based universal viewer interface which allows the user to read, annotate, collaborate and perform other tasks typical of knowledge work, as well as alter the interface to best suit their work patterns.

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- Create a system that is simpler (fewer commands to achieve comparable results) and more powerful (achieve results that weren't possible) than today's desktop metaphor by unifying content and user interface into a single, dynamic content mechanism that uses fewer kinds of user interface controls in a more general way.
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The annotations exist apart from the content (as files with links to the content); therefore they can be displayed not only layered on the content in appropriate positions within the content, but in other locations and visualizations. That is, each of these annotations is available to the user not only *in situ*, in the content where it was created, but cross-referenced in automatically-created indices which can be manipulated much as described in History above: by time, by appearance, by site, document, section, page, etc. Likewise they might be shared, selectively shared or kept private with the kind of functionality described under "Collaboration."

navigate their view of the shared document to other than the currently shared page, thus automatically disengaging from the shared display, and to reengage on the shared page at any time. The interface uses a Floor request/grant/relinquish model for controlling the group display. Users are able to request control of the current group display, grant the request and relinquish control (if currently in control). Side chats can be initiated with other members attending the meeting by using the "hold-for-more-information" method: holding on a visual representation of users in the room and then selecting the chat option from a content menu. Since in this interface model, presentations are just documents, users can invoke all the standard interface methods such as written and audio note taking, searching, bookmarking, etc. on both the public presentation (if they have the floor), or on their individual private copy. Just as with other annotations, these methods result in a file stored separately from the content, but linked to it in precisely the locations the user annotated.

Help Book – Because the commands in the interface are simply links on a page, there isn't any difference between documentation, help, wizards and the other ways we currently attempt to help a user perform an action. Asking for help by clicking on a help link summons an appropriate help page composed on the fly from the content of the help book. The principles which underlie this composition are contextual: that is, if the user currently in the "list" or "books" of Mail Messages, the help system infers that requests for assistance are about how to perform work with Mail Messages.

Related Ideas addressed in additional pre-disclosure docs

1. Using pinning to preview list of contents, e.g., email, folders, contacts, notes, etc.; navigate within a book; or to access different content, (*file: Pinning (ePad) 2.doc*). Different than Outlook previews because it is accomplished through html links and can be done with any list of objects.
2. History can be manipulated, sorted, viewed in different ways, and the like. One feature of the history implementation is maintaining all branch extremities and including flexibility for presenting different arrangements for viewing the branches.
3. Notes can also be manipulated, sorted, viewed in different ways but also can be selected resulting in not only opening the note but also the book where the note is linked.
4. Unique thumbnail view UI for notes, history and other objects.
5. Commands implemented through links

Diagrams and Flow Charts:

[To support the description provided above, please include: (a) at least one block diagram showing the architecture of the system that implements your invention, and (b) at least one diagram illustrating the primary steps performed by your invention.]

Start Page - Main UI

MY DOCUMENTS

Personal Viewer Memo
From the Earth to the Moon
more ...

PROJECTS

Jon Cluts, Jon Cluts - Status
Jon Cluts, RE: Context Menus
Darryl Ruben, RE: Context Menus
more ...

SUMMARIES

Notes Index
Clippings
History
Quick Sheet
more ...

TODAY'S HEADLINE'S

Clinton leaves for Middle East Summit
US stock's climb
more ...

FINANCIAL

Amazon
Harcourt
Mutual funds
more ...

ARTS

Devised Reviewed
Latest releases from Blue Note
Kid's software picks
more ...

COLUMNISTS

Hill's Plans
Laird's People
Klein's View
more ...

WHAT'S NEW

Electronic book's reviewed
Conference on US design
Update on Epsilon
more ...

REUTERS

GENERAL NEWS
Middle East leaders agree
on ceasefire
...
\$500 die in Nigerian election
...
Siam Leone expects 24
over 1000 - witness
...
Italy's D'Alema says he calls
on 9/11/99
...
Yehin cancels meeting
with Netanyahu
...
BUSINESS NEWS
U.S. stock chips recover
small cap recovery on
...
Market volatility ending
consumer wealth - Market
...
Oil extends gains on Middle
East
...
German economic outlook
2000 on global view
...
Prophet defers
superstar video
clashes
...
Siam Leone expects 24
over 1000 - witness
...
Italy's D'Alema says he calls
on 9/11/99


seattle.sidewalk™

(m) movies
(r) restaurants
(a) arts & music
(p) places
(s) sports
(i) travel/leisure

MARKETS

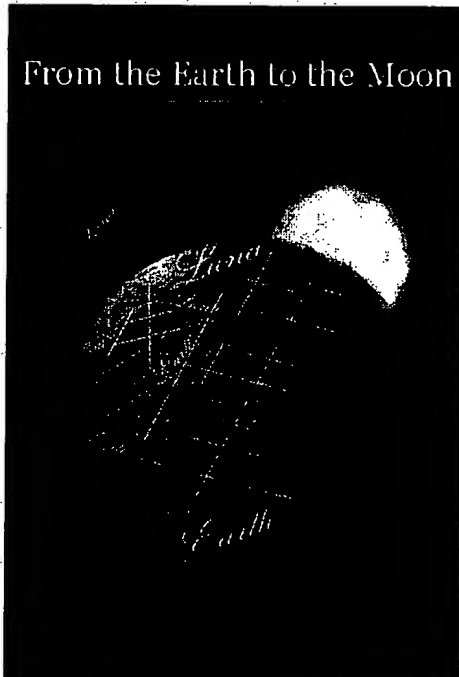
Index	Value	% Chg
DJIA	10411.47	+0.37
Nasdaq	10441.01	+0.37
S&P 500	1044.34	+0.37
Russell	221.48	+0.37
NYSE	608.74	+0.37
NYSE	10441.01	+0.37

Public Radio International



Station	Frequency	Power
Seattle, WA	88.5 FM	100,000
San Francisco, CA	94.1 FM	100,000
San Jose, CA	94.1 FM	100,000
San Diego, CA	94.1 FM	100,000
San Antonio, TX	94.1 FM	100,000
San Juan, PR	94.1 FM	100,000
San Pedro de Macoris, DR	94.1 FM	100,000
San Juan, PR	94.1 FM	100,000
San Juan, PR	94.1 FM	100,000

Book - Table of Contents (links)



From the Earth to the Moon

Table of Contents

1 of 436

TABLE OF CONTENTS

- Chapter 1 The Gun Club
- Chapter 2 President Barbicane's Communication
- Chapter 3 Effect of the President's Communication
- Chapter 4 Reply From the Observatory of Cambridge
- Chapter 5 The Romance of the Moon
- Chapter 6 The Permissive Limits of Ignorance and Belief
- Chapter 7 The Hymn of the Cannon-Ball
- Chapter 8 History of the Cannon
- Chapter 9 The Question of the Powders
- Chapter 10 One Enemy V. 25 Millions of Friends
- Chapter 11 Florida and Texas.
- Chapter 12 Urbi et Orbi
- Chapter 13 Stones Hill
- Chapter 14 Pickaxe and Trowel
- Chapter 15 The Fete of the Casting
- Chapter 16 The Columbiad
- Chapter 17 A Telegraphic Dispatch
- Chapter 18 The Passenger of the Atlanta
- Chapter 19 A Monster Meeting
- Chapter 20 Attack and Riposte
- Chapter 21 How A Frenchman Manages An Affair
- Chapter 22 The New Citizen of the United States
- Chapter 23 The Projectile-Vehicle
- Chapter 24 The Telescope of the Rocky Mountains
- Chapter 25 Final Details
- Chapter 26 Fire!
- Chapter 27 Foul Weather
- Chapter 28 A New Star
- Chapter 29 The First Part
- Chapter 30 Twenty Minutes Past Ten

MICROSOFT CONFIDENTIAL

PAGE: 5

End Page

2
E-Mail
3

Last Week....

Progress

- Drove ePad meeting with Darryl and got our overall design direction approved
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- Attended Legal briefing.
- Got briefed on current (and past) demo's produced by the team.

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- Drive overall progress for ePad M2 milestone for PaulMa review (11/18)
- Produce first draft proposal for archiving (11/2)
- ePad proto and enter bugs in RAID (first pass 11/2 - ongoing)
- Provide direction and input for directs on projects (on going)
- Plan fun event at home (11/6)

Problems

- none

Postponed

- none

OTHER RELATED MATERIAL

☒ **BY THREAD:**
Follow the discussion of this topic.
[NEXT MESSAGE](#) [PREVIOUS MESSAGE](#)

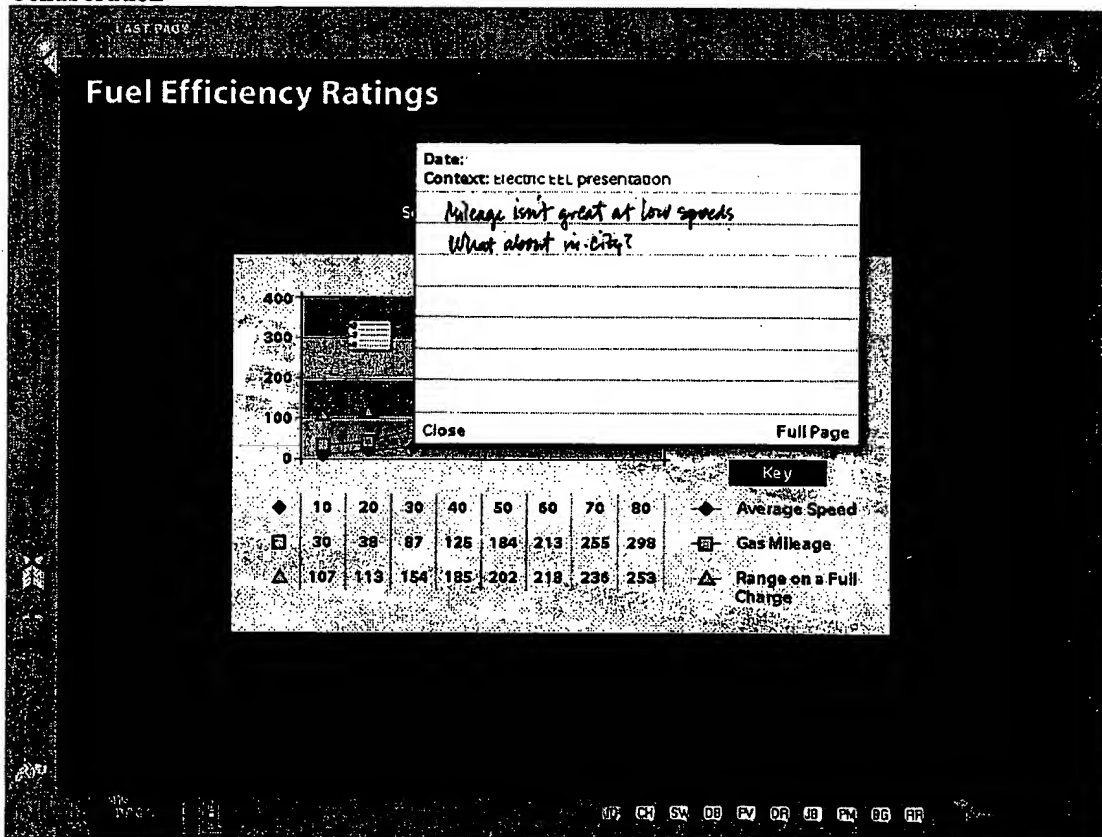
☒ **BY SENDER:**
Show other messages from this address.
[NEXT MESSAGE](#) [PREVIOUS MESSAGE](#)

☒ **BY DATE:**
View the next or previous message in date order.
[NEXT MESSAGE](#) [PREVIOUS MESSAGE](#)

OTHER RELATED MESSAGES:

- ☒ John Beezer - Status
- ☒ Drew Baird - Status
- ☒ RE: Page-Pinning

Collaboration



Appl. No. 09/456,249
Declaration under 37 C.F.R. § 1.131
Reply to Office Action of July 8, 2004

Appl. No. : 09/456,249
Applicant : Darryl E. Rubin et al.
Filed : December 7, 1999
Title : Computer User Interface Architecture Wherein Users
Interact With Both Content And User Interface By
Activating Links

TC/A.U. : 2176
Examiner : Almari Romero Yuan

Docket No. : 003797.85089
Confirmation No. : 6181

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. § 1.131

Sir:

We, DARRYL E. RUBIN, ANDREW C. BAIRD, JOHN L. BEEZER, JONATHAN C. CLUTS, and SUSAN D. WOOLF, hereby declare¹ that:

- 1) We are named as joint inventors of the above-captioned application, U.S. Application Serial No. 09/456,249, and all claims presently pending therein;
- 2) I, DARRYL E. RUBIN, am presently employed by Microsoft Corporation (Microsoft) and have been since June 1986. Microsoft is the assignee of the above-identified application.

¹ Each numbered declaration is a joint declaration unless an individual reference has been made. In such a case, the referenced individual is making the numbered declaration.

- 3) I, JONATHAN C. CLUTS, am presently employed by Microsoft and have been since October 1990. Microsoft is the assignee of the above-identified application.
- 4) I, SUSAN D. WOOLF, am presently employed by Microsoft and have been since October 1995. Microsoft is the assignee of the above-identified application.
- 5) We, ANDREW C. BAIRD and JOHN L. BEEZER, were formerly employed by Microsoft.
- 6) We were employed by Microsoft during development of the above-identified invention.
- 7) Prior to May 8, 1999, the earliest priority date of Bizweb2000.com – screenshots of an e-book, published 5/8/1999, pages 1-4 (“Bizweb2000 reference”), we conceived of and reduced to practice the invention recited in the claims of the above-captioned application.
- 8) Conception and actual reduction to practice occurred prior to May 8, 1999, as evidenced by pages 1, 2, 4, 5, and 7 of the Patent Predisclosure Document attached as Exhibit A.
- 9) Support for claims 1-5 of the above-captioned application can be found, among other places, at least within Exhibit A prepared prior to May 8, 1999.
- 10) Support for claims 1-5 can be found at least within Exhibit A, among other places, in the bullet points on page 1, and the descriptions at the bottom of page 1 and the top of page 2. In addition, the screenshots on pages 5 and 7 support claims 1-5. Claim 2 is additionally supported, among other places, by the description on page 4 of Exhibit A.
- 11) Attached Exhibit A has not been altered since it was originally prepared, except for the redaction of dates and the removal of pages 3, 6, and 8, which are not pertinent to claims 1-5.
- 12) Each of us individually represents that we are over 18 years of age and of competent mind.

13) All statements made of our own knowledge are true and all statements made on information and belief are believed to be true; and further, these statements were made with the knowledge that willful, false statement so made are punishable by fine or imprisonment or both, under 18 U.S.C. § 1001 and that such willful, false statements may jeopardize the validity of the above-identified application or any patent issuing thereon.


Respectfully submitted,

Darryl E. Rubin,
Microsoft Corporation

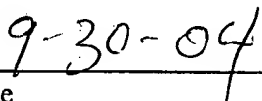
Date

Andrew C. Baird

Date



John L. Beezer



Date

Jonathan C. Cluts
Microsoft Corporation

Date

Susan D. Woolf,
Microsoft Corporation

Date

Appl. No. 09/456,249
Declaration under 37 C.F.R. § 1.131
Reply to Office Action of July 8, 2004

EXHIBIT A

Pages 1, 2, 4, 5, and 7 of Patent Predisclosure Document

Microsoft Patent Predisclosure Document

Title of Invention: Electronic Web-based Interface for Reading and Annotation

Date:

Document Author(s): Darryl Rubin, Jonathan Cluts, Suze Woolf

Introduction

[Please provide a high level description of the invention, including the names of the people who contributed to the invention.]

An architecture for a window-less, scroll-less, desktop-less and save-less HTML-based universal viewer interface which allows the user to read, annotate, collaborate and perform other tasks typical of knowledge work, as well as alter the interface to best suit their work patterns.

Motivation for the Invention:

[Describe (1) the problem addressed by the invention (e.g., limitations of prior products of Microsoft, or others), and (2) your solution to the problem (including what "new" things your invention does and a high-level description of how it does them).]

- Create a system that is simpler (fewer commands to achieve comparable results) and more powerful (achieve results that weren't possible) than today's desktop metaphor by unifying content and user interface into a single, dynamic content mechanism that uses fewer kinds of user interface controls in a more general way.
- Provide a new metaphor for finding, consuming, storing, sharing and organizing content of interest to the user because many users find the desktop metaphor confusing and difficult to learn.
- Provide a framework for more "natural" styles of interacting, employing a minimum number common gestures such as touch, hold, erase, draw or write. Currently most desktop computers require a keyboard and mouse in order to interact with them; most pen-enabled palmtop computers have cumbersome means of interaction.
- Scales from small handheld devices to desktop computers. Currently desktop metaphors applied to small form factor devices are cluttered and difficult to use.
- Reduce complexity and confusion of the multi-windowed interface by using a model of a single main window. Usability data show that users of multi-windowed systems don't always know which actions will produce results in which window.
- Provide greater flexibility to users, content developers and third-party software developers by providing broader capabilities for customizing the user interface and creating dynamic content.
- Provide a save-less model, so that users don't need to explicitly save their work.
- Provide rich support for audio note taking with the ability to correlate and synchronize audio and textual material and to review and retrieve audio notes.
- Provide automatic and transparent synchronization between a user's computers (e.g. handheld and desktop). Current device-to-device and device-to-PC synchronization schemes are not seamless and require a great deal of configuration and attention from the user.
- Make the process of getting help about a function be the same as the process for carrying out the function. In today's user interfaces, methods for getting assistance with an interface or with content are currently separate from the content and often require completely different interactions than consuming the content.
- Make sharing and collaborating on documents easy and automatic. Today's devices and PCs have a "single-user model" at the heart of their interface metaphors; sharing content and annotations is difficult and non-intuitive.

Description of the Invention:

[Describe your proposed implementation of the invention, including the architecture and design details of the implementation. The design details should include a description of the component parts of, and individual operations performed by, your implementation. The use of a specific example, showing how the invention solves the problem being addressed, can be particularly helpful. You should also mention whether you have thought of any other implementations, or applications of, your invention. In most cases, 1-2 pages of description should be adequate to start the patent application process, although a more detailed description may greatly enhance the efficiency of the process.]

Windowless Interface – The display may be divided into non-windowing regions in which different content may be displayed. Each region may be individually navigated without changing focus or "window"

state. Each region may include concurrent active html links without changing focus. The benefits of this architecture include reducing the complexity associated with both the design and use of the interface while still providing access to and interaction with multiple sources of concurrent content. (See also pinning (ePad) 2.doc.)

HTML based interface – The interface is implemented entirely as an HTML document, except that some links are links to scripts rather than to other documents or sites; activating such a link (such as by touching it) runs the linked-to script, thus making the link act as a command. Even the desktop metaphor of files and folders is expressed as lists of links on a page.

Additionally, links have properties that govern their appearance and behavior. For example, a link's properties may dictate that it appear as a blue underscored text string as in today's browser's, or as a 3D button, as a graphic icon, as a thumbnail image of the content being linked to, or even as an embedded frame that is open on the content being linked to. The ability to control a link's appearance and behavioral properties makes possible rich authoring and customization of content and the user interface.

The user may completely customize the interface (unless authored-in content controls prevent editing). Because there is no distinction between the interface and the content, the kinds of normal editing commands the user might use to alter content can be used to customize the interface. What's more, the many varied interface widgets that users currently must understand in order to perform useful work, such as dialog boxes, drop-down list boxes, etc can be done away with. Everything is simply a link on a page. Some of these links may be rendered as buttons to offer instant-gestalt affordances to new users, but architecturally they are links that may be used to search, view, and navigate either the interface or the content being viewed. Whether you are moving back/forward, sorting, or bookmarking a content page or an interface page, the concept and actions are exactly the same.

The ability to review files, folders, mail, etc by navigating through a list of the links contemporaneously is enabled by this architecture and to a lesser extent by the Windowless UI architecture. History, notes, clippings and other system-provided directories have many unique attributes as a result of the HTML-based architecture also summarized below.

Rich Navigation – The interface contains methods for paging within a document (previous/next) and for traversing chronology (history through back/forward). A rich model for navigation is enabled by attaching properties to links. For example, holding on a link offers additional information about where that link will lead (Link look-ahead might be displayed in thumbnail form and further holding might result in a graphical map of the links attached to that prospective destination.). Back and forward buttons by default display thumbnail views of the pages that tapping that button will lead to.

History (all the pages the user has viewed) may be viewed in a number of ways: by time, by appearance, by site, document, section, page, etc. Since all of history is saved, the users' sequence may be viewed in a number of ways: as nodes with side tracking branches, as a linear list, or as a combination of most recently viewed pages and last few task categories.

A key difference between the navigation mechanism of this invention and the prior art is that all navigation actions are saved in the navigational history. For example, if a user navigates through a set of links then goes "back" several steps, and then links through a different set of links, the user is still able to go "back" and then retrace their original path of links they navigated. In today's browser's this is not possible—recollection of the first set of documents that were "backed" over is lost.

Annotations – The interface allows the user to interact with content and interface so as to make it more memorable, via bookmarks, clippings, highlights, overlaid and embedded ink and audio notes (See files: *Book position (ePad) 2.doc*, *Ink layers on a browser.doc* and *Bookmark (ePad) 2.doc*. as well as additional documents to be created.) These annotations may be performed with not only different input methods, but adapted to the most convenient or natural one, such as a finger for highlighting, a stylus for writing or doodling, and speech for lengthier commentary.

The annotations exist apart from the content (as files with links to the content); therefore they can be displayed not only layered on the content in appropriate positions within the content, but in other locations and visualizations. That is, each of these annotations is available to the user not only *in situ*, in the content where it was created, but cross-referenced in automatically-created indices which can be manipulated much as described in History above: by time, by appearance, by site, document, section, page, etc. Likewise they might be shared, selectively shared or kept private with the kind of functionality described under "Collaboration."

navigate their view of the shared document to other than the currently shared page, thus automatically disengaging from the shared display, and to reengage on the shared page at any time. The interface uses a Floor request/grant/relinquish model for controlling the group display. Users are able to request control of the current group display, grant the request and relinquish control (if currently in control). Side chats can be initiated with other members attending the meeting by using the "hold-for-more-information" method: holding on a visual representation of users in the room and then selecting the chat option from a content menu. Since in this interface model, presentations are just documents, users can invoke all the standard interface methods such as written and audio note taking, searching, bookmarking, etc. on both the public presentation (if they have the floor), or on their individual private copy. Just as with other annotations, these methods result in a file stored separately from the content, but linked to it in precisely the locations the user annotated.

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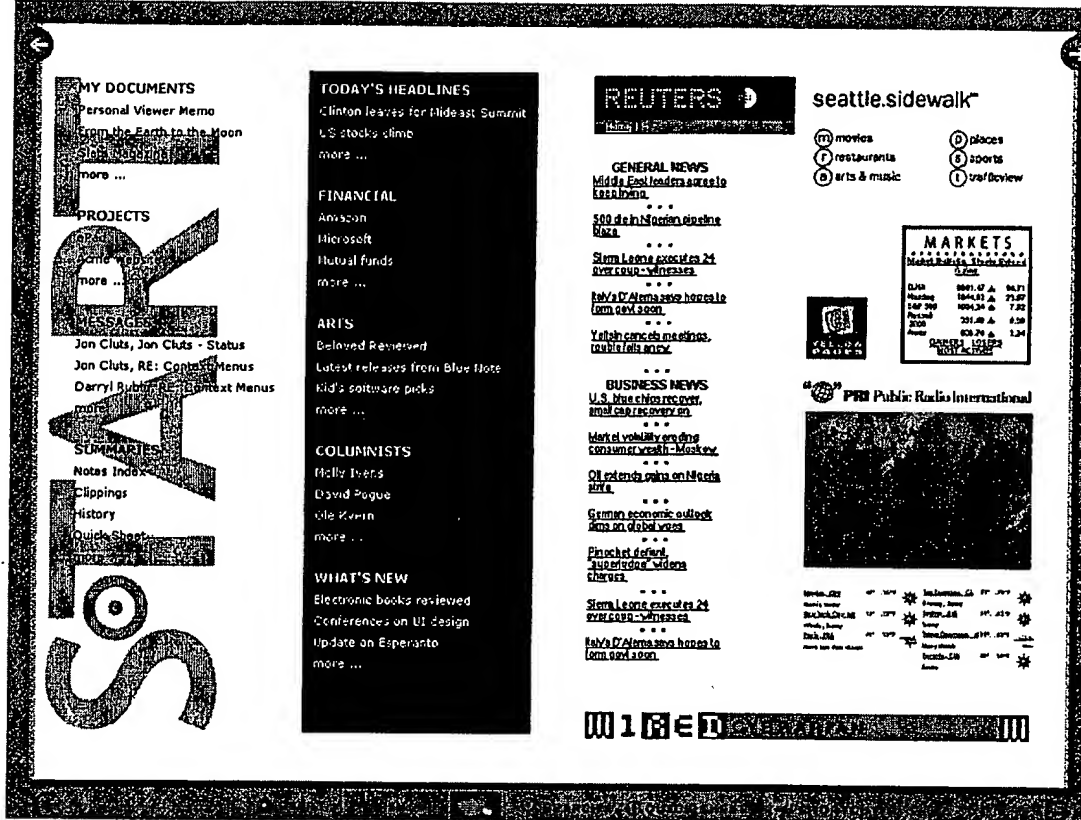
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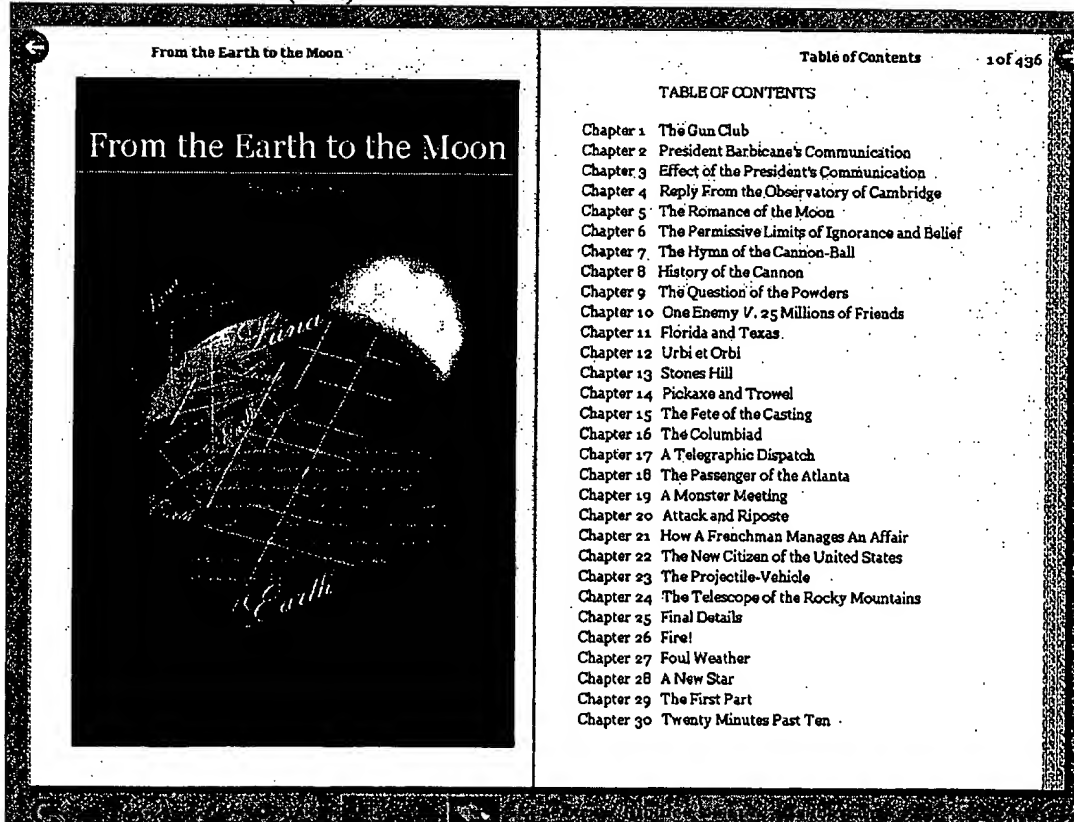
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[To support the description provided above, please include: (a) at least one block diagram showing the architecture of the system that implements your invention, and (b) at least one diagram illustrating the primary steps performed by your invention.]

Start Page - Main UI



Book - Table of Contents (links)



End Page

2
E-Mail
3

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Problems

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OTHER RELATED MATERIAL

☒ **BY THREAD:**
Follow the discussion of this topic.
[NEXT MESSAGE](#) [PREVIOUS MESSAGE](#)

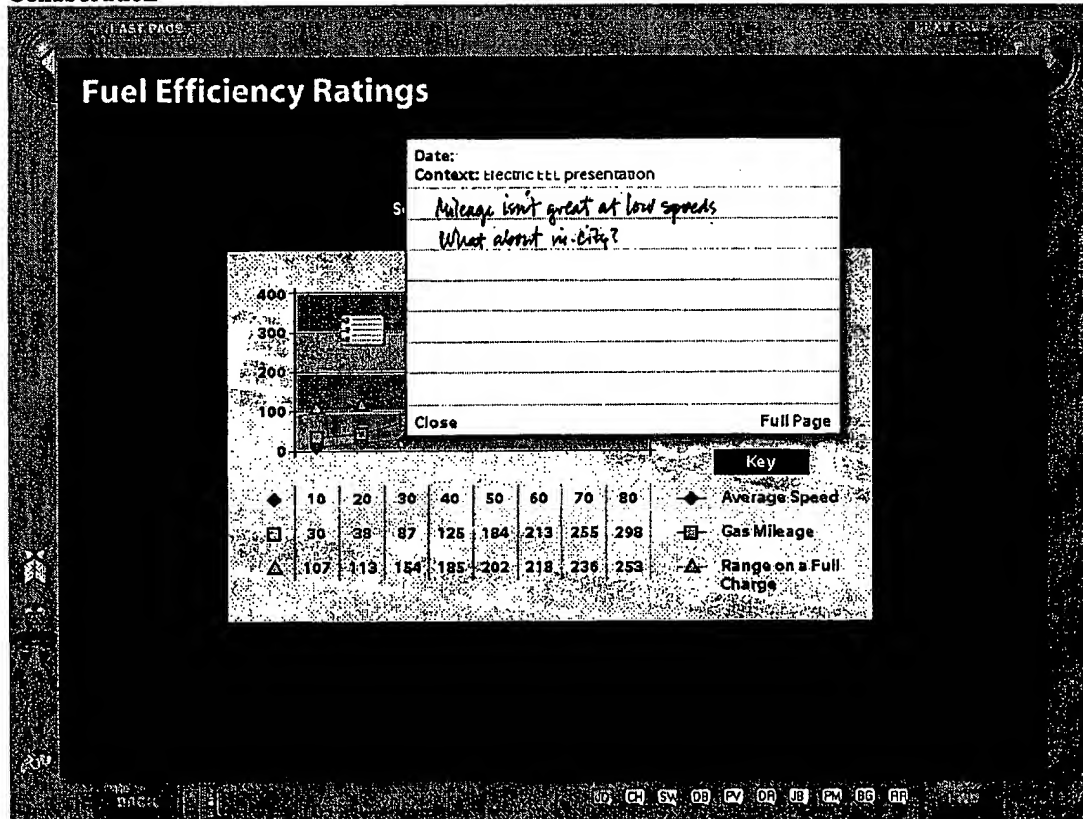
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- ☒ Drew Baird - Status
- ☒ RE: Page-Pinning

Collaboration



Appl. No. 09/456,249
Declaration under 37 C.F.R. § 1.131
Reply to Office Action of July 8, 2004

Appl. No. : 09/456,249
Applicant : Darryl E. Rubin et al.
Filed : December 7, 1999
Title : Computer User Interface Architecture Wherein Users
Interact With Both Content And User Interface By
Activating Links

TC/A.U. : 2176
Examiner : Almari Romero Yuan

Docket No. : 003797.85089
Confirmation No. : 6181

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. § 1.131

Sir:

We, DARRYL E. RUBIN, ANDREW C. BAIRD, JOHN L. BEEZER, JONATHAN C. CLUTS, and SUSAN D. WOOLF, hereby declare¹ that:

- 1) We are named as joint inventors of the above-captioned application, U.S. Application Serial No. 09/456,249, and all claims presently pending therein;
- 2) I, DARRYL E. RUBIN, am presently employed by Microsoft Corporation (Microsoft) and have been since June 1986. Microsoft is the assignee of the above-identified application.

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- 8) Conception and actual reduction to practice occurred prior to May 8, 1999, as evidenced by pages 1, 2, 4, 5, and 7 of the Patent Predisclosure Document attached as Exhibit A.
- 9) Support for claims 1-5 of the above-captioned application can be found, among other places, at least within Exhibit A prepared prior to May 8, 1999.
- 10) Support for claims 1-5 can be found at least within Exhibit A, among other places, in the bullet points on page 1, and the descriptions at the bottom of page 1 and the top of page 2. In addition, the screenshots on pages 5 and 7 support claims 1-5. Claim 2 is additionally supported, among other places, by the description on page 4 of Exhibit A.
- 11) Attached Exhibit A has not been altered since it was originally prepared, except for the redaction of dates and the removal of pages 3, 6, and 8, which are not pertinent to claims 1-5.
- 12) Each of us individually represents that we are over 18 years of age and of competent mind.

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Respectfully submitted,

Darryl E. Rubin,
Microsoft Corporation

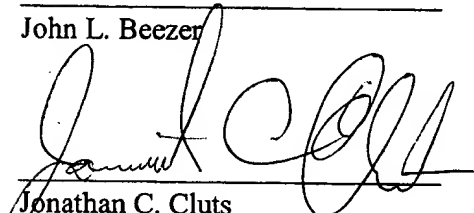
Date

Andrew C. Baird

Date

John L. Beezer

Date



Jonathan C. Cluts
Microsoft Corporation

Date

9-21-04

Susan D. Woolf,
Microsoft Corporation

Date

Appl. No. 09/456,249
Declaration under 37 C.F.R. § 1.131
Reply to Office Action of July 8, 2004

EXHIBIT A

Pages 1, 2, 4, 5, and 7 of Patent Predisclosure Document

Microsoft Patent Predisclosure Document

Title of Invention: Electronic Web-based Interface for Reading and Annotation

Date:

Document Author(s): Darryl Rubin, Jonathan Cluts, Suze Woolf

Introduction

[Please provide a high level description of the invention, including the names of the people who contributed to the invention.]

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- Create a system that is simpler (fewer commands to achieve comparable results) and more powerful (achieve results that weren't possible) than today's desktop metaphor by unifying content and user interface into a single, dynamic content mechanism that uses fewer kinds of user interface controls in a more general way.
- Provide a new metaphor for finding, consuming, storing, sharing and organizing content of interest to the user because many users find the desktop metaphor confusing and difficult to learn.
- Provide a framework for more "natural" styles of interacting, employing a minimum number common gestures such as touch, hold, erase, draw or write. Currently most desktop computers require a keyboard and mouse in order to interact with them; most pen-enabled palmtop computers have cumbersome means of interaction.
- Scales from small handheld devices to desktop computers. Currently desktop metaphors applied to small form factor devices are cluttered and difficult to use.
- Reduce complexity and confusion of the multi-windowed interface by using a model of a single main window. Usability data show that users of multi-windowed systems don't always know which actions will produce results in which window.
- Provide greater flexibility to users, content developers and third-party software developers by providing broader capabilities for customizing the user interface and creating dynamic content.
- Provide a save-less model, so that users don't need to explicitly save their work.
- Provide rich support for audio note taking with the ability to correlate and synchronize audio and textual material and to review and retrieve audio notes.
- Provide automatic and transparent synchronization between a user's computers (e.g. handheld and desktop). Current device-to-device and device-to-PC synchronization schemes are not seamless and require a great deal of configuration and attention from the user.
- Make the process of getting help about a function be the same as the process for carrying out the function. In today's user interfaces, methods for getting assistance with an interface or with content are currently separate from the content and often require completely different interactions than consuming the content.
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Additionally, links have properties that govern their appearance and behavior. For example, a link's properties may dictate that it appear as a blue underscored text string as in today's browser's, or as a 3D button, as a graphic icon, as a thumbnail image of the content being linked to, or even as an embedded frame that is open on the content being linked to. The ability to control a link's appearance and behavioral properties makes possible rich authoring and customization of content and the user interface.

The user may completely customize the interface (unless authored-in content controls prevent editing). Because there is no distinction between the interface and the content, the kinds of normal editing commands the user might use to alter content can be used to customize the interface. What's more, the many varied interface widgets that users currently must understand in order to perform useful work, such as dialog boxes, drop-down list boxes, etc can be done away with. Everything is simply a link on a page. Some of these links may be rendered as buttons to offer instant-gestalt affordances to new users, but architecturally they are links that may be used to search, view, and navigate either the interface or the content being viewed. Whether you are moving back/forward, sorting, or bookmarking a content page or an interface page, the concept and actions are exactly the same.

The ability to review files, folders, mail, etc by navigating through a list of the links contemporaneously is enabled by this architecture and to a lesser extent by the Windowless UI architecture. History, notes, clippings and other system-provided directories have many unique attributes as a result of the HTML-based architecture also summarized below.

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A key difference between the navigation mechanism of this invention and the prior art is that all navigation actions are saved in the navigational history. For example, if a user navigates through a set of links then goes "back" several steps, and then links through a different set of links, the user is still able to go "back" and then retrace their original path of links they navigated. In today's browser's this is not possible—recollection of the first set of documents that were "backed" over is lost.

Annotations – The interface allows the user to interact with content and interface so as to make it more memorable, via bookmarks, clippings, highlights, overlaid and embedded ink and audio notes (See files: *Book position (ePad) 2.doc*, *Ink layers on a browser.doc* and *Bookmark (ePad) 2.doc*. as well as additional documents to be created.) These annotations may be performed with not only different input methods, but adapted to the most convenient or natural one, such as a finger for highlighting, a stylus for writing or doodling, and speech for lengthier commentary.

The annotations exist apart from the content (as files with links to the content); therefore they can be displayed not only layered on the content in appropriate positions within the content, but in other locations and visualizations. That is, each of these annotations is available to the user not only *in situ*, in the content where it was created, but cross-referenced in automatically-created indices which can be manipulated much as described in History above: by time, by appearance, by site, document, section, page, etc. Likewise they might be shared, selectively shared or kept private with the kind of functionality described under "Collaboration."

navigate their view of the shared document to other than the currently shared page, thus automatically disengaging from the shared display, and to reengage on the shared page at any time. The interface uses a Floor request/grant/relinquish model for controlling the group display. Users are able to request control of the current group display, grant the request and relinquish control (if currently in control). Side chats can be initiated with other members attending the meeting by using the "hold-for-more-information" method: holding on a visual representation of users in the room and then selecting the chat option from a content menu. Since in this interface model, presentations are just documents, users can invoke all the standard interface methods such as written and audio note taking, searching, bookmarking, etc. on both the public presentation (if they have the floor), or on their individual private copy. Just as with other annotations, these methods result in a file stored separately from the content, but linked to it in precisely the locations the user annotated.

Help Book – Because the commands in the interface are simply links on a page, there isn't any difference between documentation, help, wizards and the other ways we currently attempt to help a user perform an action. Asking for help by clicking on a help link summons an appropriate help page composed on the fly from the content of the help book. The principles which underlie this composition are contextual: that is, if the user currently in the "list" or "books" of Mail Messages, the help system infers that requests for assistance are about how to perform work with Mail Messages.

Related Ideas addressed in additional pre-disclosure docs

1. Using pinning to preview list of contents, e.g., email, folders, contacts, notes, etc.; navigate within a book; or to access different content, (*file: Pinning (ePad) 2.doc*). Different than Outlook previews because it is accomplished through html links and can be done with any list of objects.
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3. Notes can also be manipulated, sorted, viewed in different ways but also can be selected resulting in not only opening the note but also the book where the note is linked.
4. Unique thumbnail view UI for notes, history and other objects.
5. Commands implemented through links

Diagrams and Flow Charts:

[To support the description provided above, please include: (a) at least one block diagram showing the architecture of the system that implements your invention, and (b) at least one diagram illustrating the primary steps performed by your invention.]

Start Page - Main UI

MY DOCUMENTS

Personal Viewer Memo

From the Earth to the Moon

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PROJECTS

more ...

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Jon Cluts, Jon Cluts - Status

Jon Cluts, RE: Context Menus

Darryl Ruben, RE: Context Menus

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U.S. blue-chip recovery

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Market volatility eroding

consumer wealth - Motley

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Oil extends gains on fears

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German economic outlook

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Pinched deficit

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Stamps from ex-countries 24

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Italy's D'Alema says hopes to

form new coalition

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seattle.sidewalk™

movies

restaurants

arts & music

places

sports

traffic/view

MARKETS

Market Basket, North America	
Index	Value
DJIA	8891.47 ▲ 94.71
Nasdaq	1844.51 ▲ 77.87
S&P 500	1004.24 ▲ 7.82
Russell 2000	791.48 ▲ 8.58
Amex	628.24 ▲ 1.34

Source: S&P 500

Public Radio International

Book - Table of Contents (links)

From the Earth to the Moon

Table of Contents

1 of 436

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- Chapter 1 The Gun Club
- Chapter 2 President Barbicane's Communication
- Chapter 3 Effect of the President's Communication
- Chapter 4 Reply From the Observatory of Cambridge
- Chapter 5 The Romance of the Moon
- Chapter 6 The Permissive Limits of Ignorance and Belief
- Chapter 7 The Hymn of the Cannon-Ball
- Chapter 8 History of the Cannon
- Chapter 9 The Question of the Powders
- Chapter 10 One Enemy V. 25 Millions of Friends
- Chapter 11 Florida and Texas
- Chapter 12 Urbi et Orbi
- Chapter 13 Stones Hill
- Chapter 14 Pickaxe and Trowel
- Chapter 15 The Fete of the Casting
- Chapter 16 The Columbiad
- Chapter 17 A Telegraphic Dispatch
- Chapter 18 The Passenger of the Atlanta
- Chapter 19 A Monster Meeting
- Chapter 20 Attack and Riposte
- Chapter 21 How A Frenchman Manages An Affair
- Chapter 22 The New Citizen of the United States
- Chapter 23 The Projectile-Vehicle
- Chapter 24 The Telescope of the Rocky Mountains
- Chapter 25 Final Details
- Chapter 26 Fire!
- Chapter 27 Foul Weather
- Chapter 28 A New Star
- Chapter 29 The First Part
- Chapter 30 Twenty Minutes Past Ten

End Page

2
E-Mail
3

Last Week....

Progress

- Drove ePad meeting with Darryl and got our overall design direction approved
- Continued daily meetings on ePad project
- Scheduled meeting with ePad and Neptune teams
- With Drew, got ePad team up on RAID, and VSS
- Got NT box in my office up and running, with ePad installed
- Met with Dave and others about team project archiving. Have delineated a basic strategy
- Provided input in to Pam's home tour brainstorming meeting.
- Attended home scheduling meeting.
- Attended Legal briefing.
- Got briefed on current (and past) demo's produced by the team.

Priorities

- Drive graphic completion for current M2 features in ePad (11/4)
- Drive overall progress for ePad M2 milestone for Paulina review (11/16)
- Produce first draft proposal for archiving (11/2)
- ePad proto and enter bugs in RAID (first pass 11/2 - ongoing)
- Provide direction and input for directs on projects (on going)
- Plan fun event at home (11/6)

Problems

- none

Postponed

- none

OTHER RELATED MATERIAL

☒ **BY THREAD:**
Follow the discussion of this topic.
[NEXT MESSAGE](#) [PREVIOUS MESSAGE](#)

☒ **BY SENDER:**
Show other messages from this address.
[NEXT MESSAGE](#) [PREVIOUS MESSAGE](#)

☒ **BY DATE:**
View the next or previous message in date order.
[NEXT MESSAGE](#) [PREVIOUS MESSAGE](#)

OTHER RELATED MESSAGES:

☒ John Beezer - Status

☒ Drew Baird - Status

☒ RE: Page-Pinning

Collaboration

LAST PAGE
NEXT PAGE

Fuel Efficiency Ratings

	10	20	30	40	50	60	70	80
Average Speed	30	38	87	125	184	213	255	298
Gas Mileage	107	113	154	185	202	218	236	253

Date: _____

Context: electric EEL presentation

Notes:

Mileage isn't great at low speeds

What about in-city?

[Close](#) [Full Page](#)

Key

- ◆ Average Speed
- Gas Mileage
- △ Range on a Full Charge

BACK
MD CH SL DB PV OR JB PM BG RP

Appl. No. 09/456,249
Declaration under 37 C.F.R. § 1.131
Reply to Office Action of July 8, 2004

Appl. No. : 09/456,249
Applicant : Darryl E. Rubin et al.
Filed : December 7, 1999
Title : Computer User Interface Architecture Wherein Users
Interact With Both Content And User Interface By
Activating Links

TC/A.U. : 2176
Examiner : Almari Romero Yuan

Docket No. : 003797.85089
Confirmation No. : 6181

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. § 1.131

Sir:

We, DARRYL E. RUBIN, ANDREW C. BAIRD, JOHN L. BEEZER, JONATHAN C. CLUTS, and SUSAN D. WOOLF, hereby declare¹ that:

- 1) We are named as joint inventors of the above-captioned application, U.S. Application Serial No. 09/456,249, and all claims presently pending therein;
- 2) I, DARRYL E. RUBIN, am presently employed by Microsoft Corporation (Microsoft) and have been since June 1986. Microsoft is the assignee of the above-identified application.

¹ Each numbered declaration is a joint declaration unless an individual reference has been made. In such a case, the referenced individual is making the numbered declaration.

- 3) I, JONATHAN C. CLUTS, am presently employed by Microsoft and have been since October 1990. Microsoft is the assignee of the above-identified application.
- 4) I, SUSAN D. WOOLF, am presently employed by Microsoft and have been since October 1995. Microsoft is the assignee of the above-identified application.
- 5) We, ANDREW C. BAIRD and JOHN L. BEEZER, were formerly employed by Microsoft.
- 6) We were employed by Microsoft during development of the above-identified invention.
- 7) Prior to May 8, 1999, the earliest priority date of Bizweb2000.com – screenshots of an e-book, published 5/8/1999, pages 1-4 (“Bizweb2000 reference”), we conceived of and reduced to practice the invention recited in the claims of the above-captioned application.
- 8) Conception and actual reduction to practice occurred prior to May 8, 1999, as evidenced by pages 1, 2, 4, 5, and 7 of the Patent Predisclosure Document attached as Exhibit A.
- 9) Support for claims 1-5 of the above-captioned application can be found, among other places, at least within Exhibit A prepared prior to May 8, 1999.
- 10) Support for claims 1-5 can be found at least within Exhibit A, among other places, in the bullet points on page 1, and the descriptions at the bottom of page 1 and the top of page 2. In addition, the screenshots on pages 5 and 7 support claims 1-5. Claim 2 is additionally supported, among other places, by the description on page 4 of Exhibit A.
- 11) Attached Exhibit A has not been altered since it was originally prepared, except for the redaction of dates and the removal of pages 3, 6, and 8, which are not pertinent to claims 1-5.
- 12) Each of us individually represents that we are over 18 years of age and of competent mind.

13) All statements made of our own knowledge are true and all statements made on information and belief are believed to be true; and further, these statements were made with the knowledge that willful, false statement so made are punishable by fine or imprisonment or both, under 18 U.S.C. § 1001 and that such willful, false statements may jeopardize the validity of the above-identified application or any patent issuing thereon.

Respectfully submitted,

Darryl E. Rubin,
Microsoft Corporation

Date

Andrew C. Baird

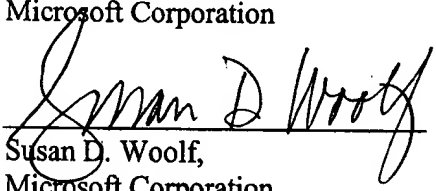
Date

John L. Beezer

Date

Jonathan C. Cluts
Microsoft Corporation

Date



Susan D. Woolf,
Microsoft Corporation

September 17, 2004
Date

Appl. No. 09/456,249
Declaration under 37 C.F.R. § 1.131
Reply to Office Action of July 8, 2004

EXHIBIT A

Pages 1, 2, 4, 5, and 7 of Patent Predislosure Document

Microsoft Patent Predisclosure Document

Title of Invention: Electronic Web-based Interface for Reading and Annotation

Date:

Document Author(s): Darryl Rubin, Jonathan Cluts, Suze Woolf

Introduction

[Please provide a high level description of the invention, including the names of the people who contributed to the invention.]

An architecture for a window-less, scroll-less, desktop-less and save-less HTML-based universal viewer interface which allows the user to read, annotate, collaborate and perform other tasks typical of knowledge work, as well as alter the interface to best suit their work patterns.

Motivation for the Invention:

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Italy's D'Alema says he won't leave office

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Yellish cancels meetings, reveals his story

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Finchett defers, suspended school strikes

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Stem Leane executes 24 overboard - witnesses

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Italy's D'Alema says he won't leave office

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seattle.sidewalk™

movies

restaurants

arts & music

places

sports

travel/view

MARKETS

MARKET INDEX

DATE

DJIA	8861.47	▲	94.71
NASDAQ	1844.81	▲	71.87
S&P 500	1004.34	▲	7.32
FTSE 100	251.48	▲	6.58
DAX	828.74	▲	1.34
EURO STOXX	151.22	▲	0.71

PRO Public Radio International

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From the Earth to the Moon

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Last Week....

Progress

- Drove ePad meeting with Darryl and got our overall design direction approved
- Continued daily meetings on ePad project
- Scheduled meeting with ePad and Neptune teams
- With Drew, got ePad team up on RAID, and YSS
- Got NT box in my office up and running, with ePad installed
- Met with Dave and others about team project archiving. Have defined a basic strategy
- Provided input in to Pam's home tour brainstorming meeting.
- Attended home scheduling meeting.
- Attended Legal briefing.
- Got briefed on current (and past) demo's produced by the team.

Priorities

- Drive graphic completion for current M2 features in ePad (11/4)
- Drive overall progress for ePad M2 milestone for PaulMa review (11/16)
- Produce first draft proposal for archiving (11/2)
- ePad proto and enter bugs in RAID (first pass 11/2 - ongoing)
- Provide direction and input for directs on projects (on going)
- Plan fun event at home (11/6)

Problems

- none

Postponed

- none

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Collaboration

